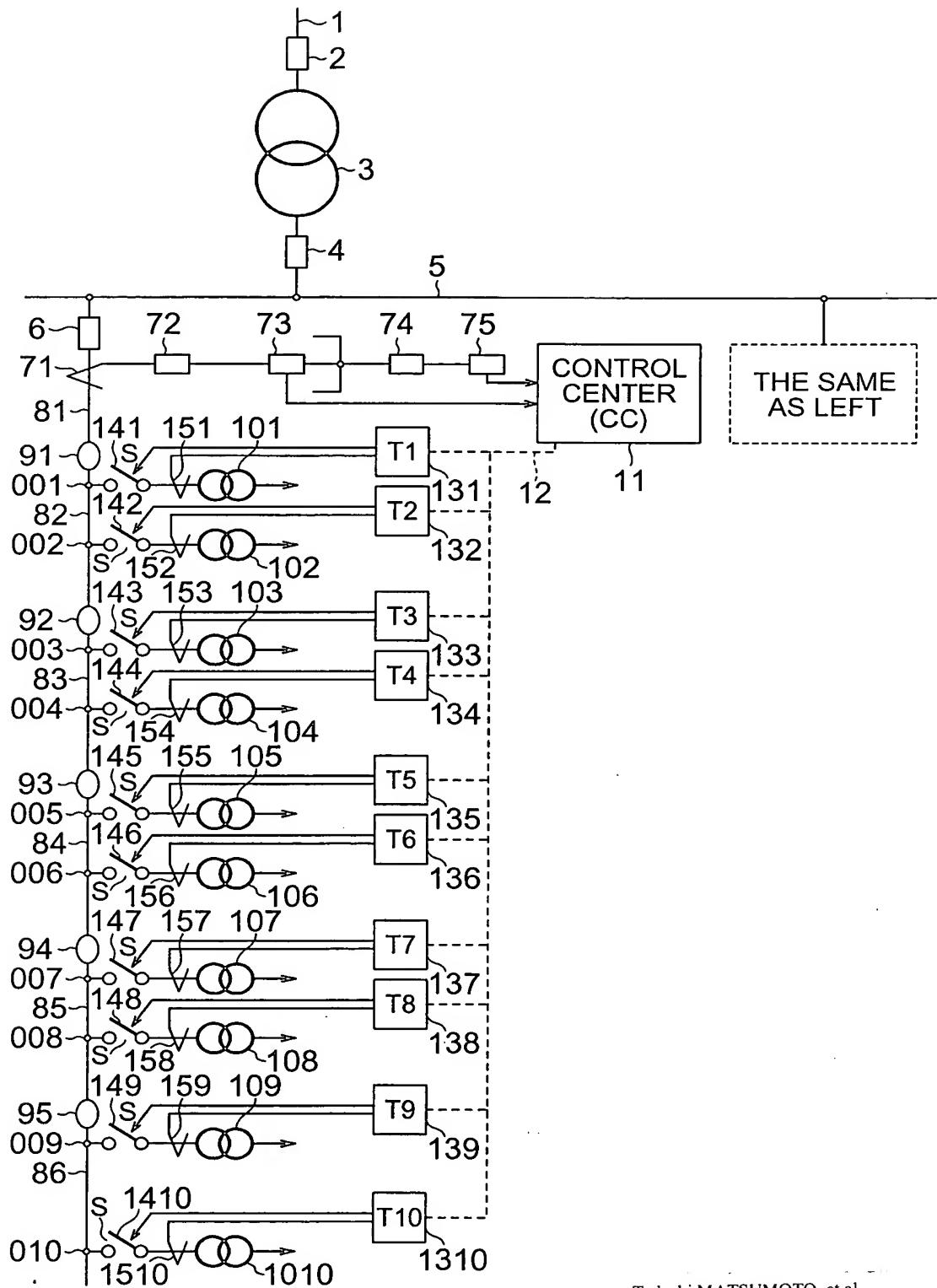


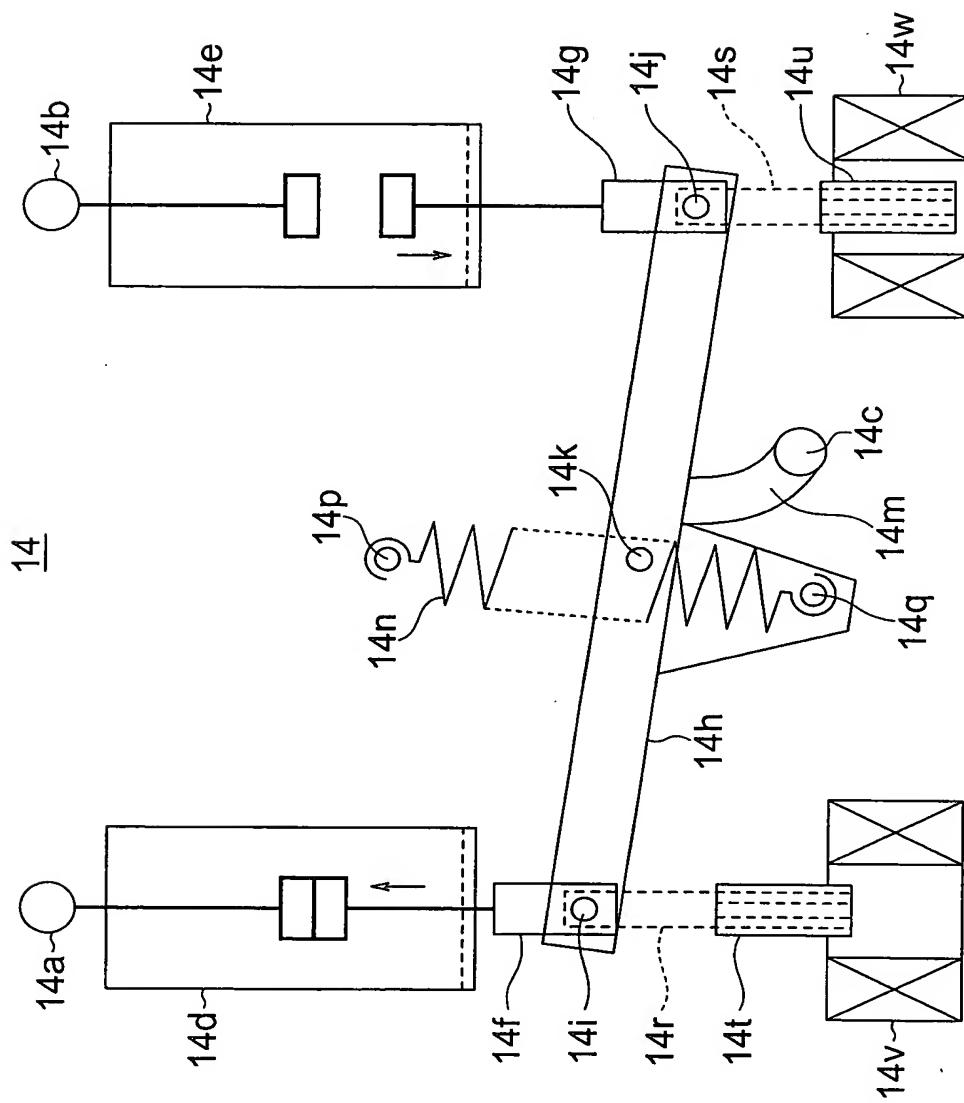
FIG. 1



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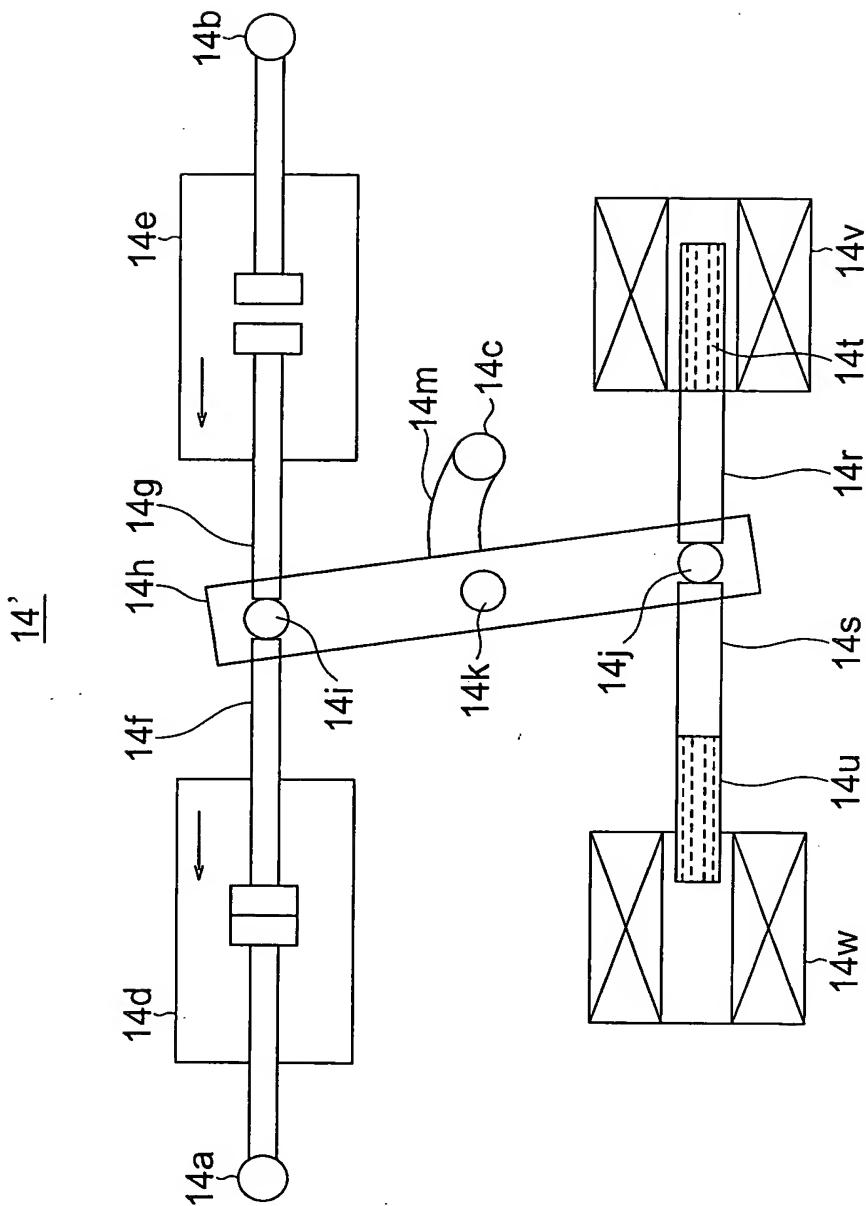
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FIG. 2



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FIG. 3



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FIG. 4

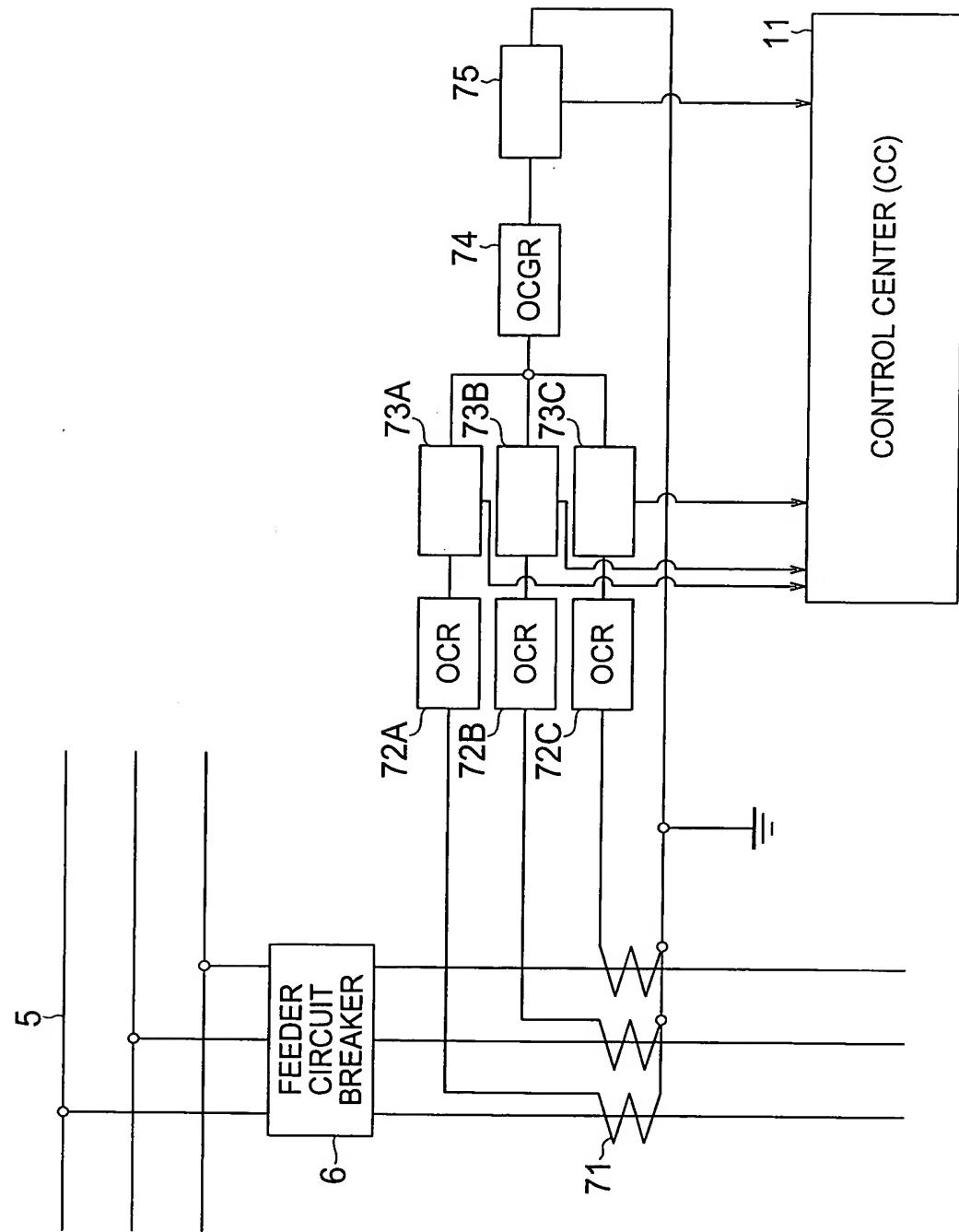


FIG. 5

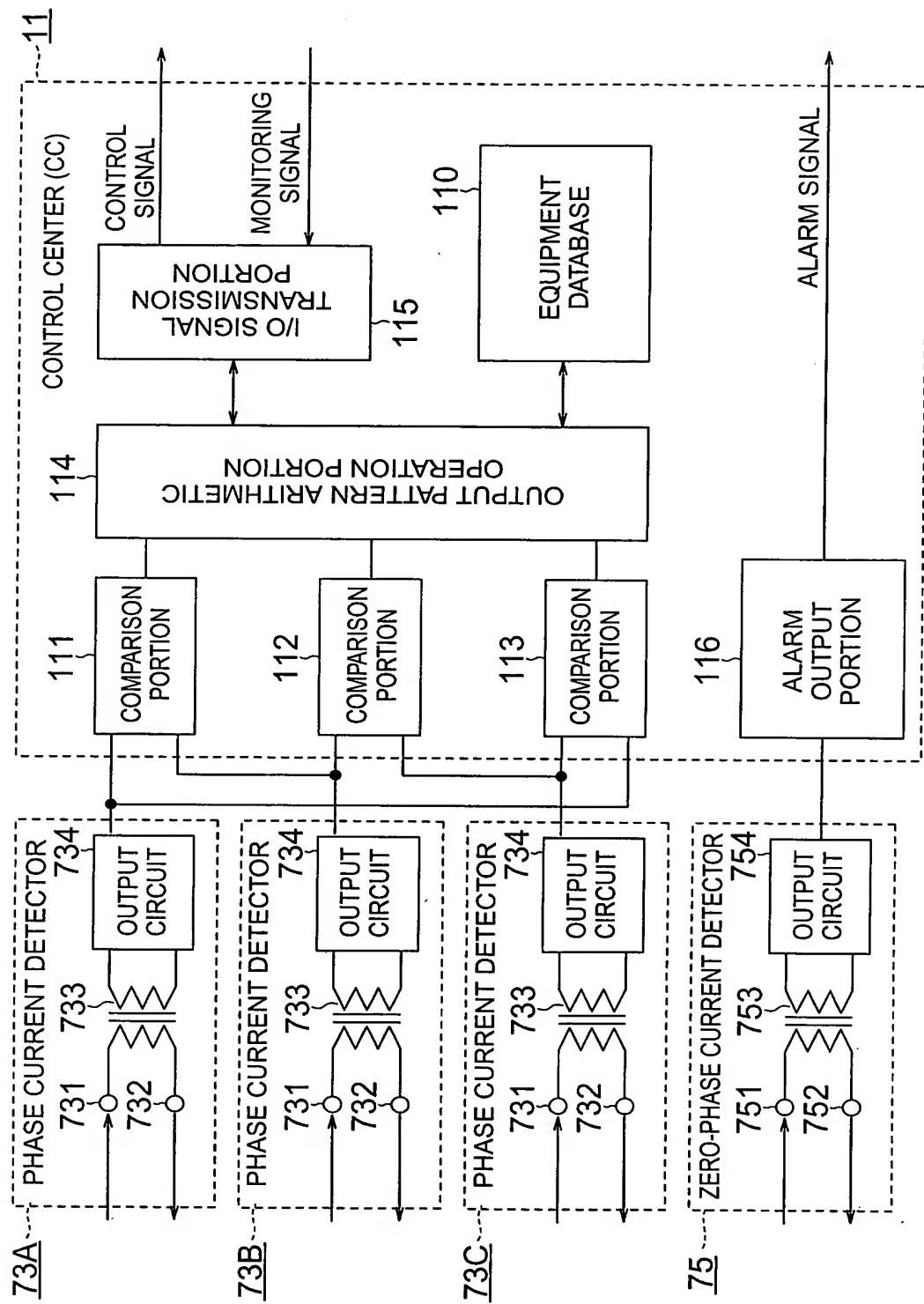


FIG. 6

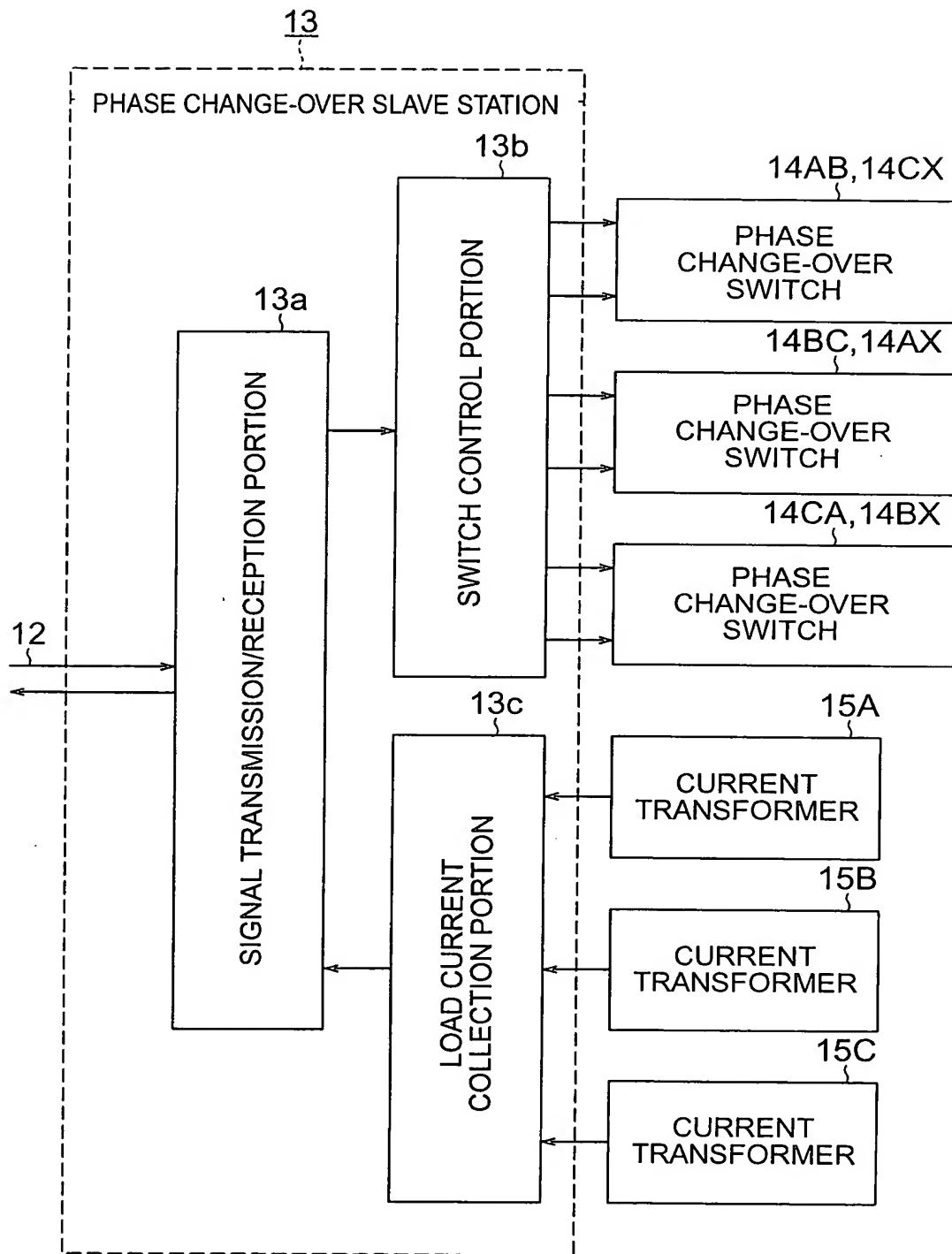


FIG. 7

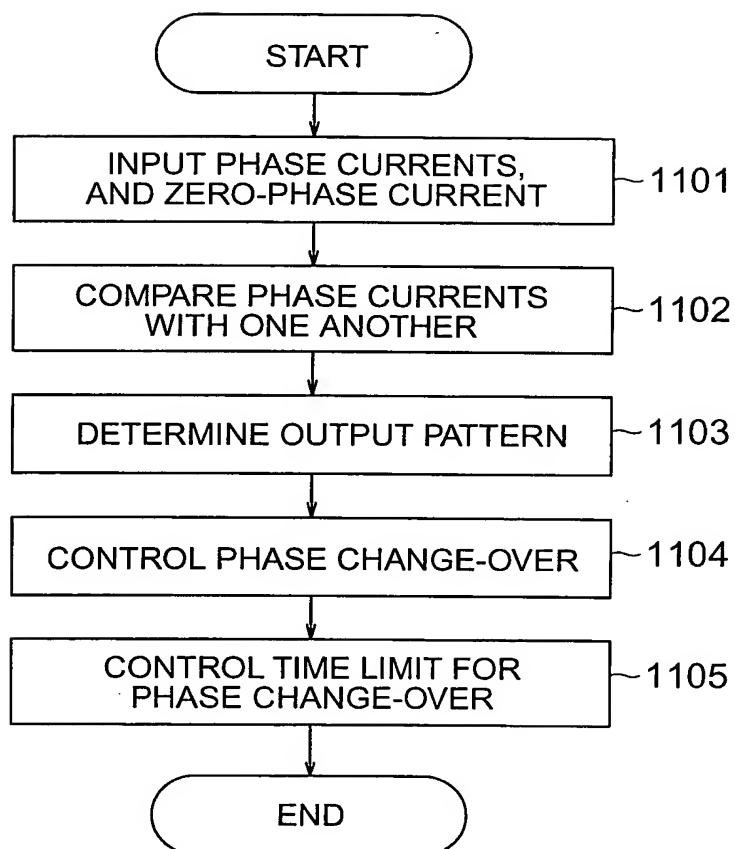


FIG. 8

PATTERN NO.	CLASSIFICATION	OUTPUT CONTENTS
1	PHASE A FIXING	PART OF PHASE B IS CHANGED OVER TO PHASE C
2	SAME OF ABOVE	PART OF PHASE C IS CHANGED OVER TO PHASE B
3	PHASE B FIXING	PART OF PHASE C IS CHANGED OVER TO PHASE A
4	SAME OF ABOVE	PART OF PHASE A IS CHANGED OVER TO PHASE C
5	PHASE C FIXING	PART OF PHASE A IS CHANGED OVER TO PHASE B
6	SAME OF ABOVE	PART OF PHASE B IS CHANGED OVER TO PHASE A
7	PHASE A BREAK-UP	PART OF PHASE A IS CHANGED OVER TO PHASE B
8	SAME OF ABOVE	PART OF PHASE A IS CHANGED OVER TO PHASE C
9	SAME OF ABOVE	PART OF PHASE A IS CHANGED OVER TO PHASES B AND C
10	PHASE B BREAK-UP	PART OF PHASE B IS CHANGED OVER TO PHASE C
11	SAME OF ABOVE	PART OF PHASE B IS CHANGED OVER TO PHASE A
12	SAME OF ABOVE	PART OF PHASE B IS CHANGED OVER TO PHASES C AND A
13	PHASE C BREAK-UP	PART OF PHASE C IS CHANGED OVER TO PHASE A
14	SAME OF ABOVE	PART OF PHASE C IS CHANGED OVER TO PHASE B
15	SAME OF ABOVE	PART OF PHASE C IS CHANGED OVER TO PHASES A AND B

FIG. 9

	CURRENT PHASE LOAD (kVA)			UPDATED PHASE LOAD (kVA)		
PHASE INSTALLATION POINT	A	B	C	A	B	C
001	20	30	20	20	30	20
002	50	30	20	50	30	20
003	150= 100+50	100= 50+50	50= 0+50	50= 0+50	100= 50+50	150= 100+50
004	150= 100+50	150= 100+50	50= 0+50	50= 0+50	150= 100+50	150= 100+50
005	100	100	50	100	100	50
006	100= 50+50	100= 50+50	50= 0+50	50= 0+50	100= 50+50	100= 50+50
007	30	50	20	30	50	20
008	50	20	20	50	20	20
009	100	30	30	100	30	30
010	30	30	20	30	30	20
TOTAL kVA	780	640	330	530	610	580
PHASE CURRENT A	118.2	97.0	50.0	80.3	92.4	87.9
ZERO-PHASE CURRENT (3I0) A	((59.2))			((0.9))		

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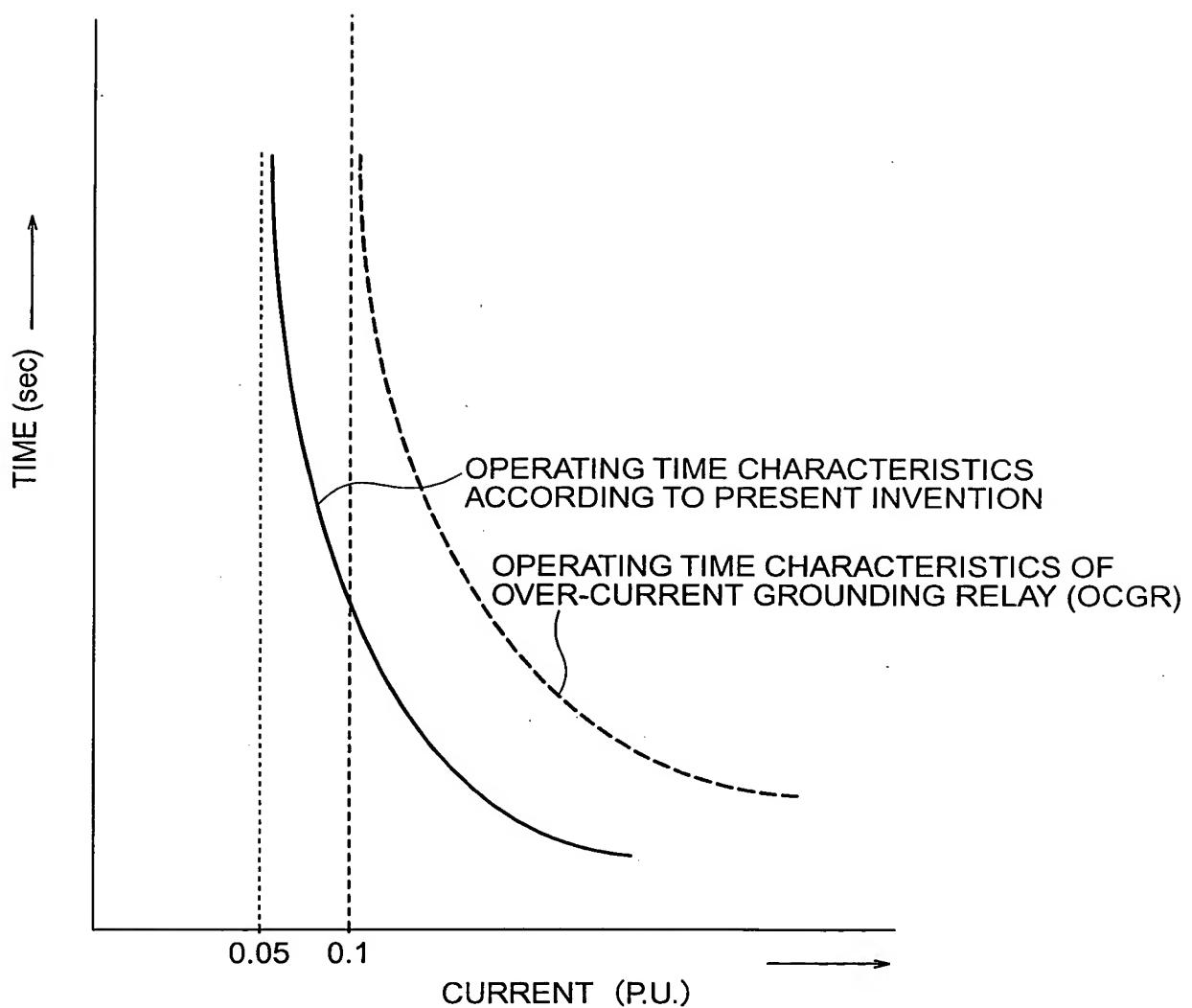
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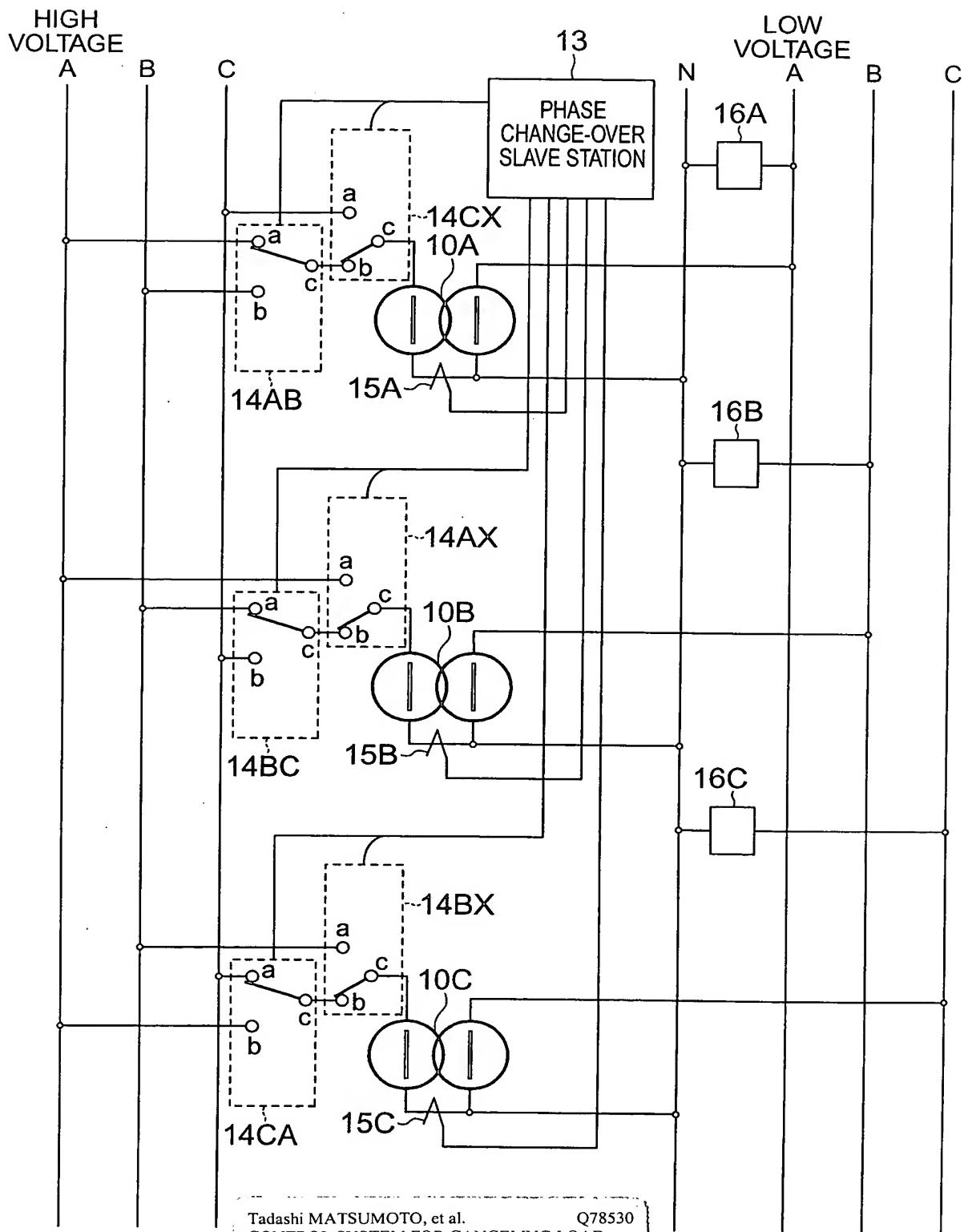
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FIG. 10



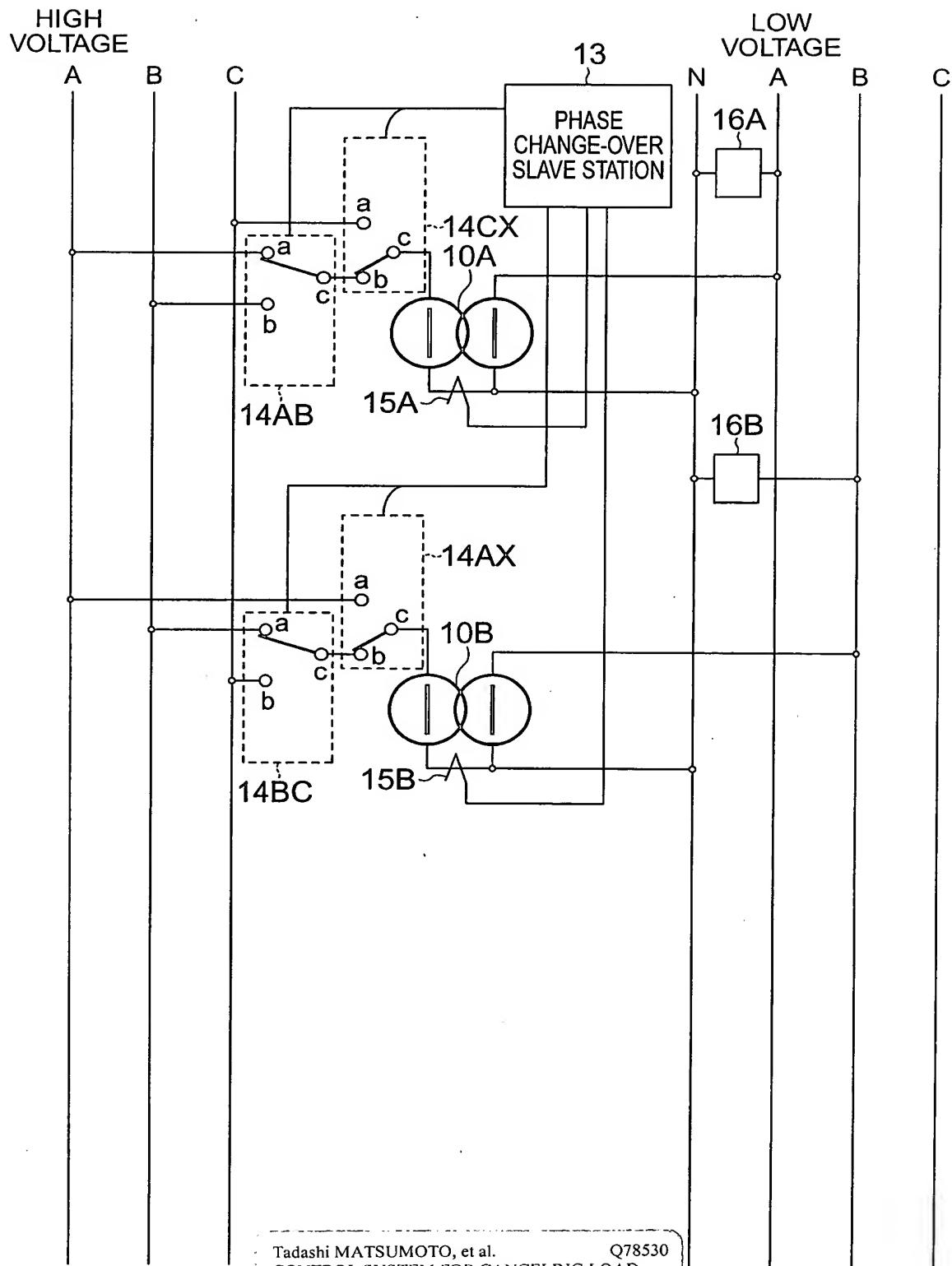
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FIG. 11



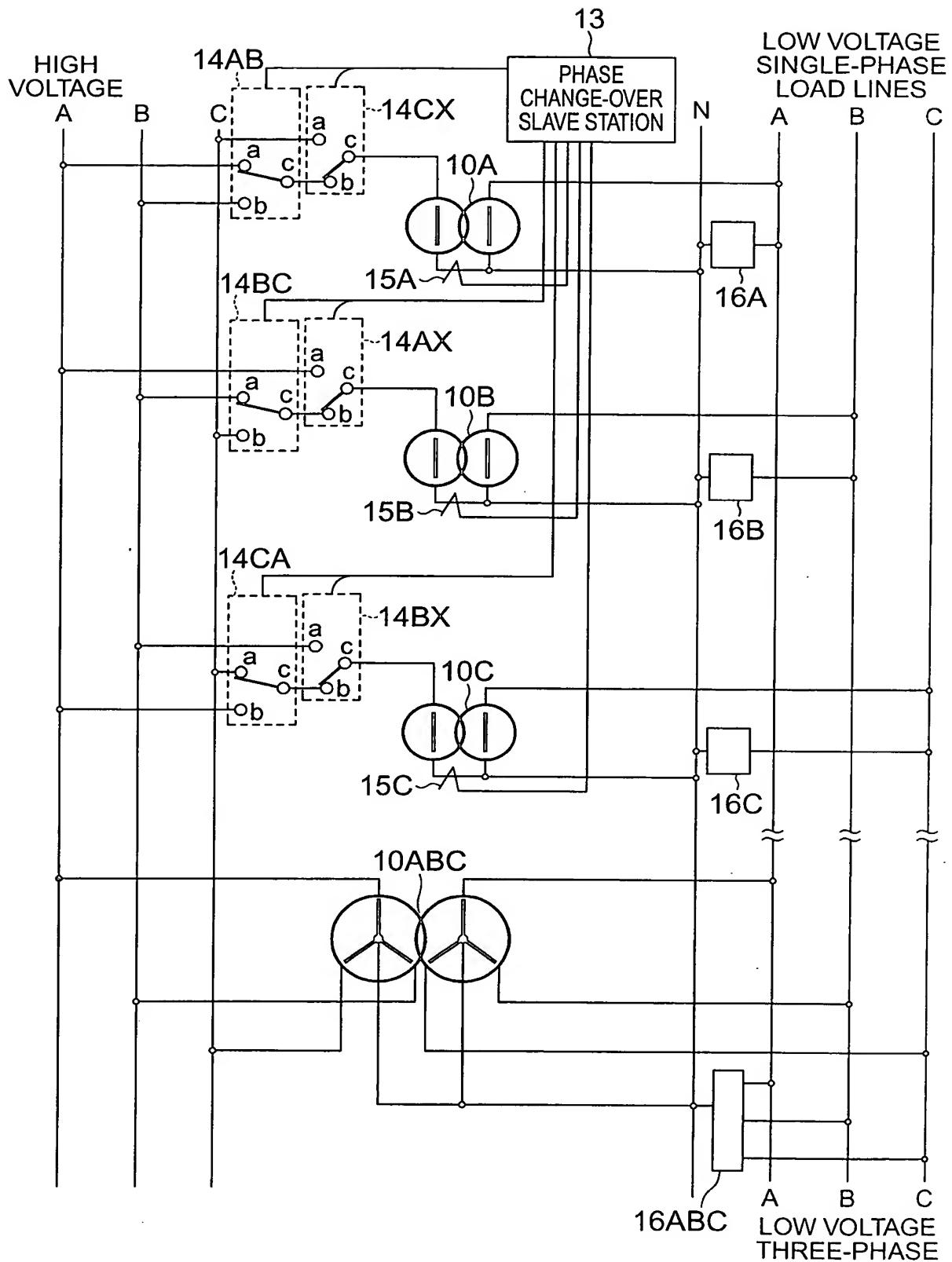
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FIG. 12



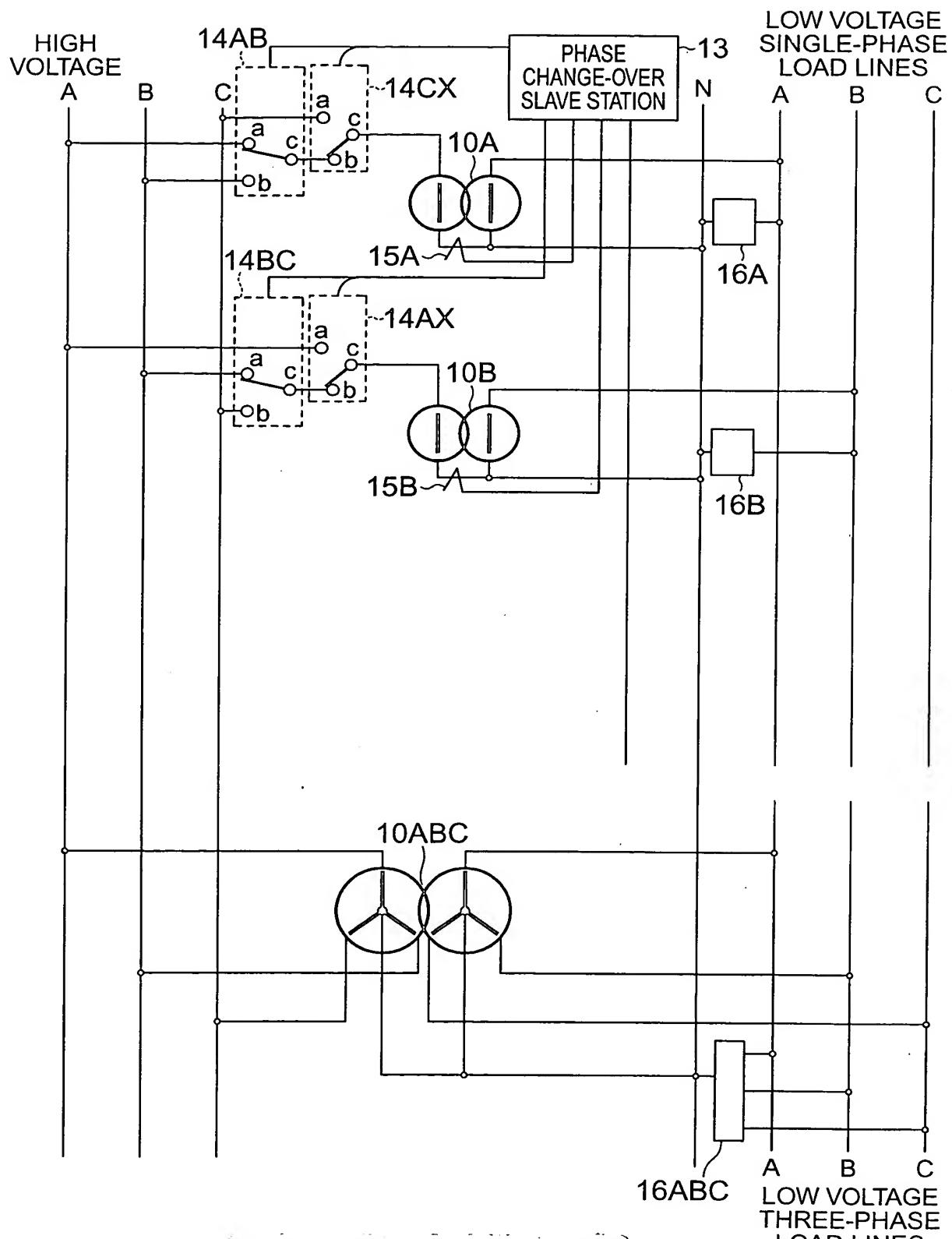
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FIG. 13



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FIG. 14



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